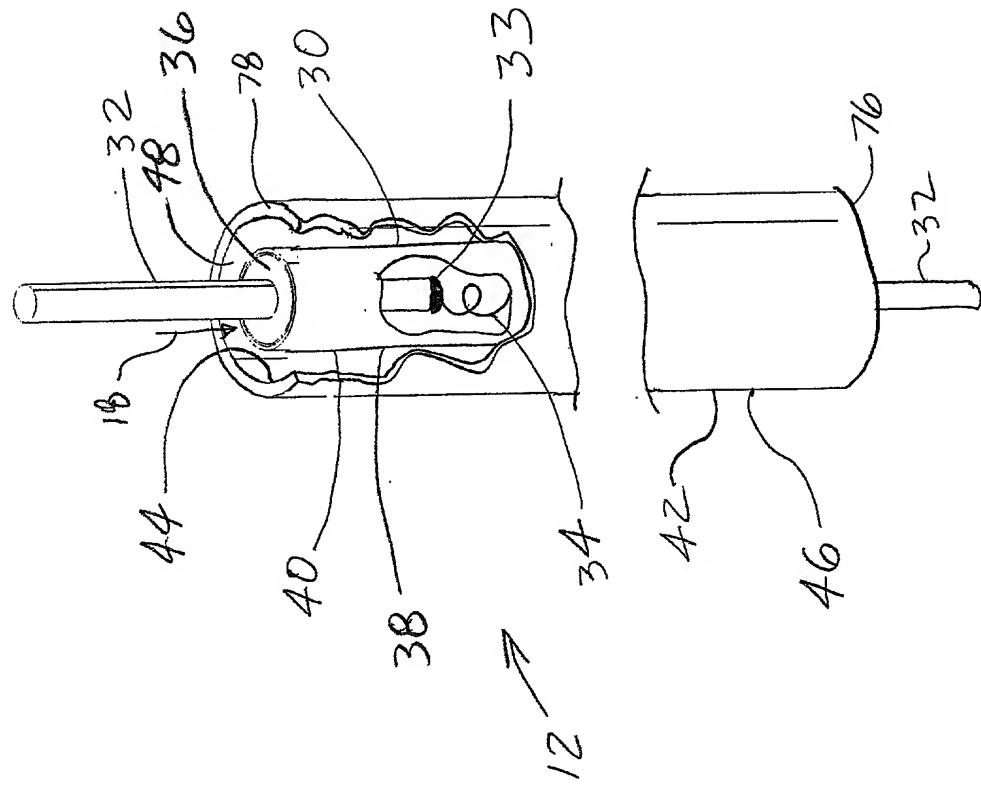


2021000000000000



F16.1

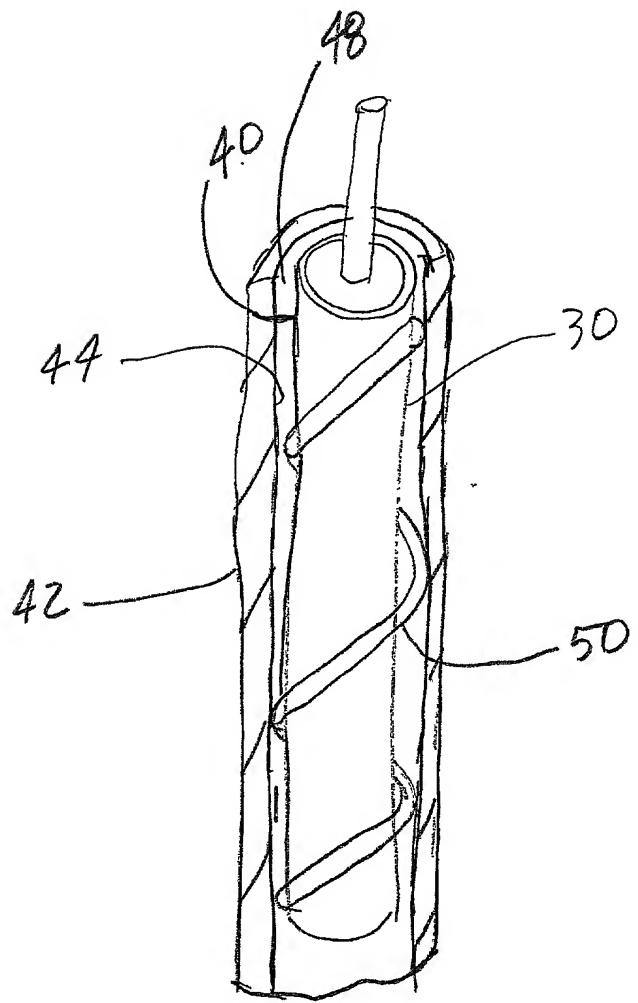


FIG. 2

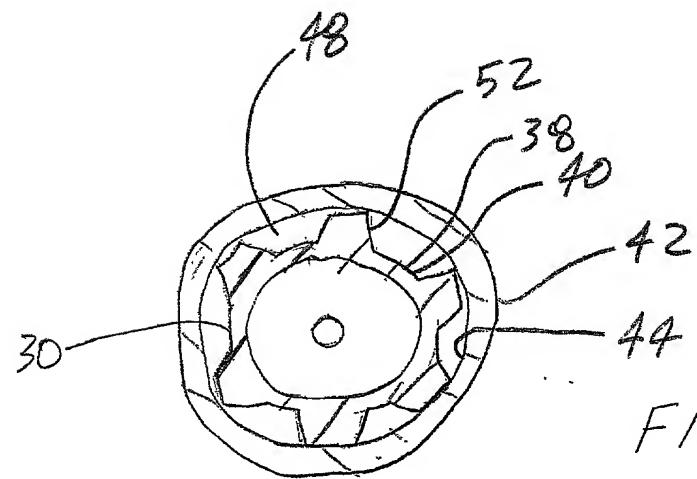


FIG 3A

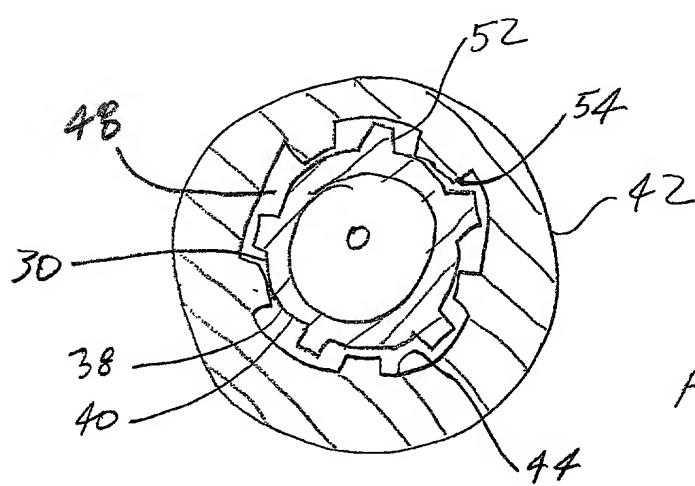


FIG 3B

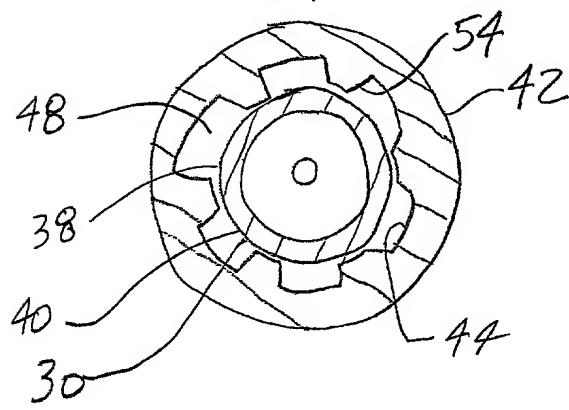
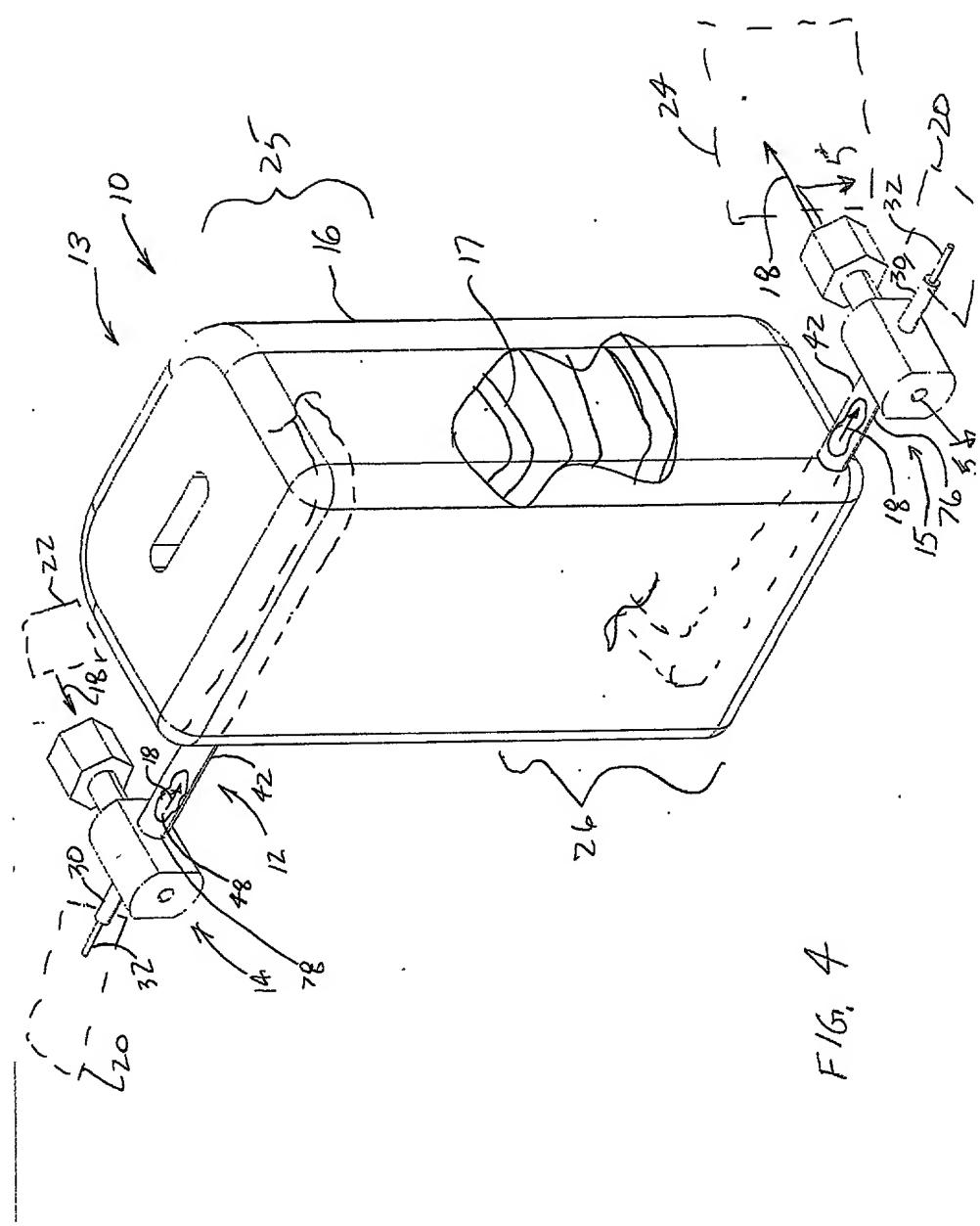


FIG 3C



F/161.4

10053968 012202

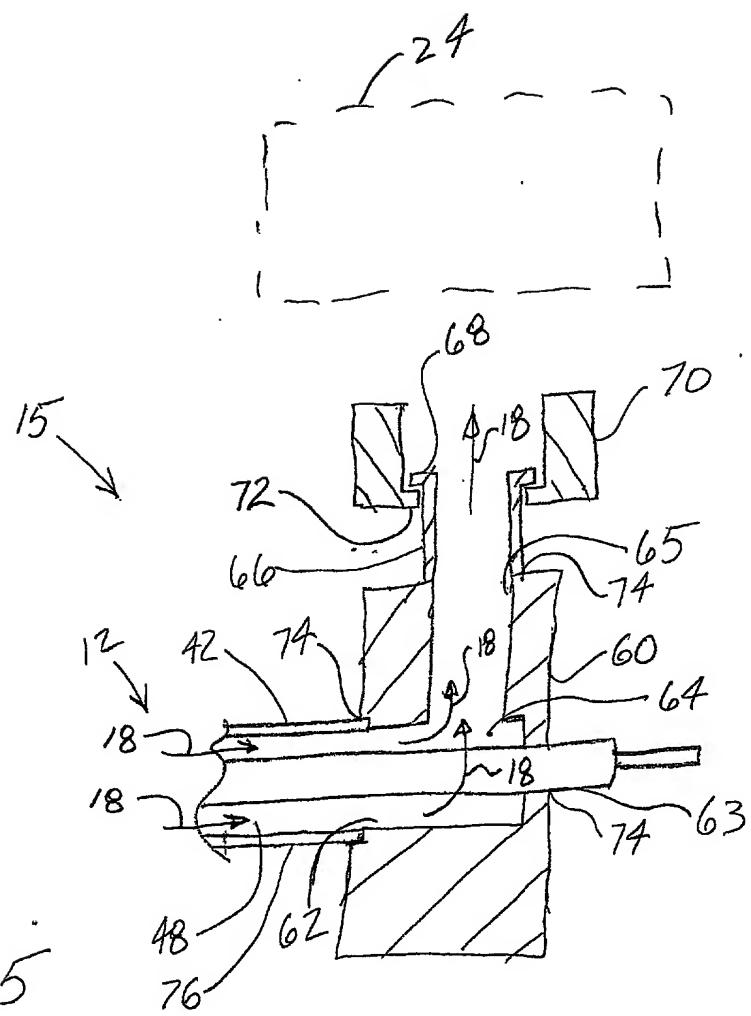
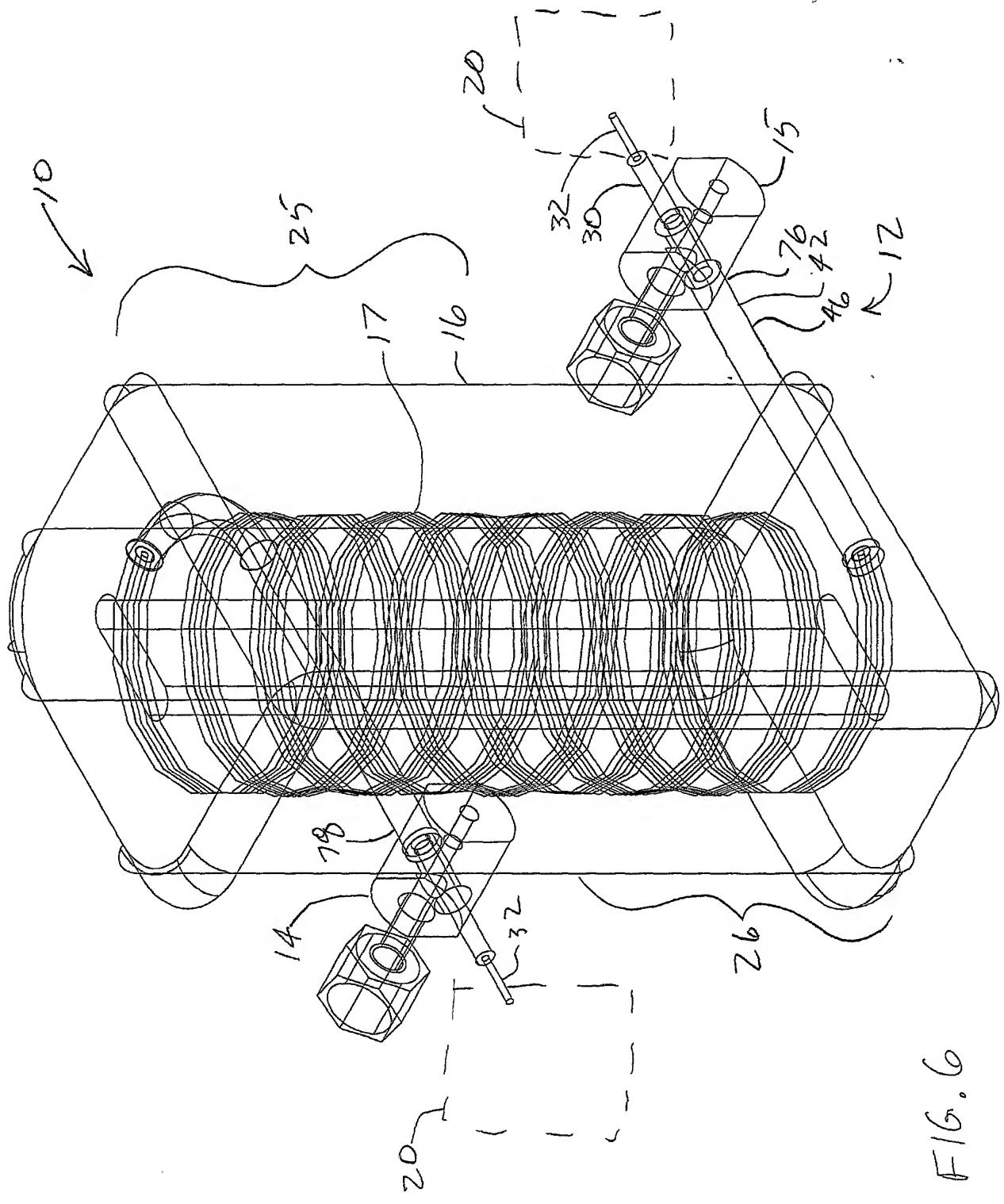


FIG. 5



F16.6

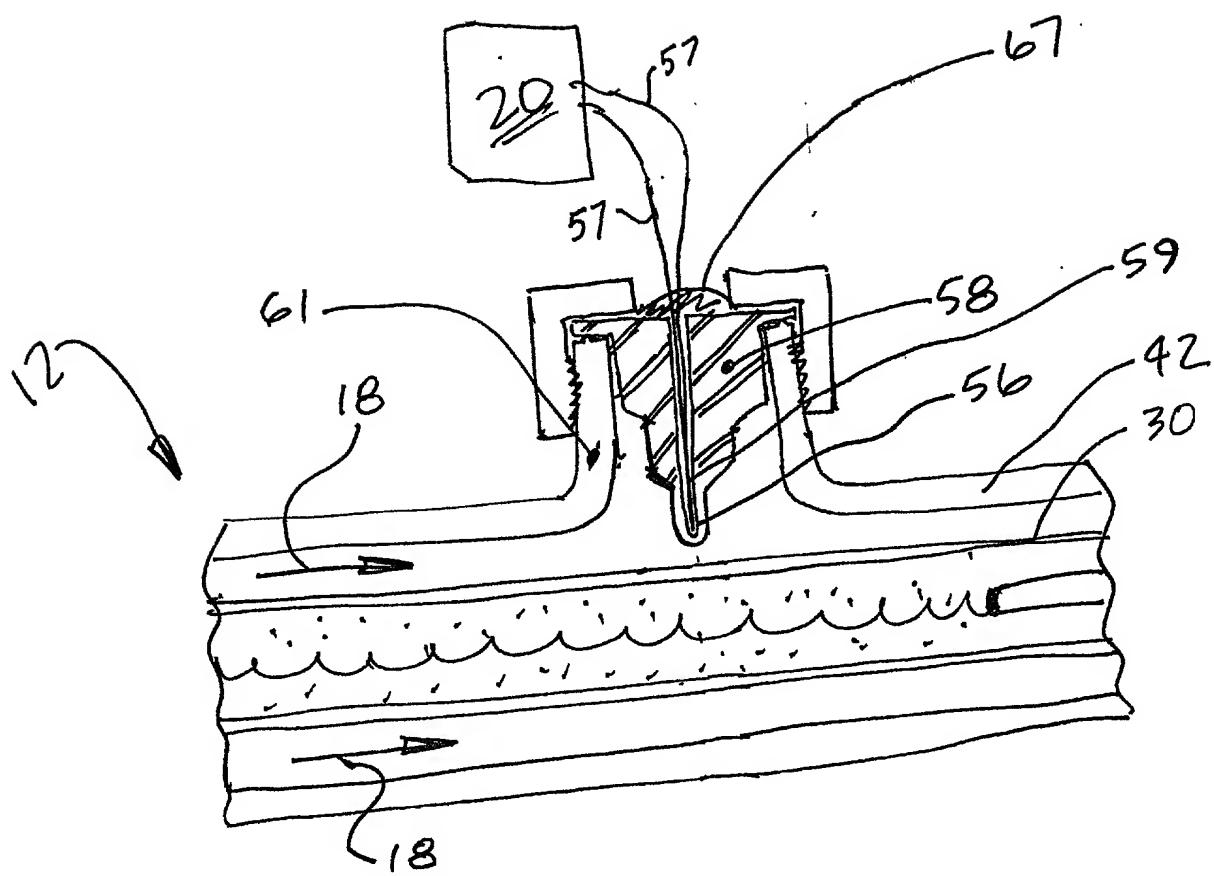


FIG. 7

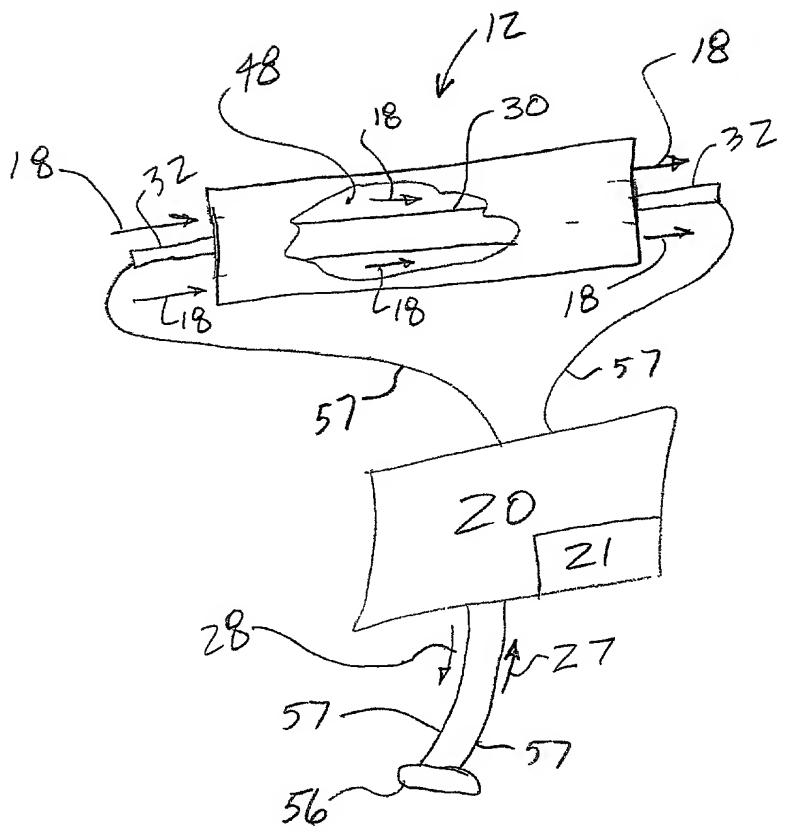


FIG. 8

1.0 E+25 68 0 0 0 0

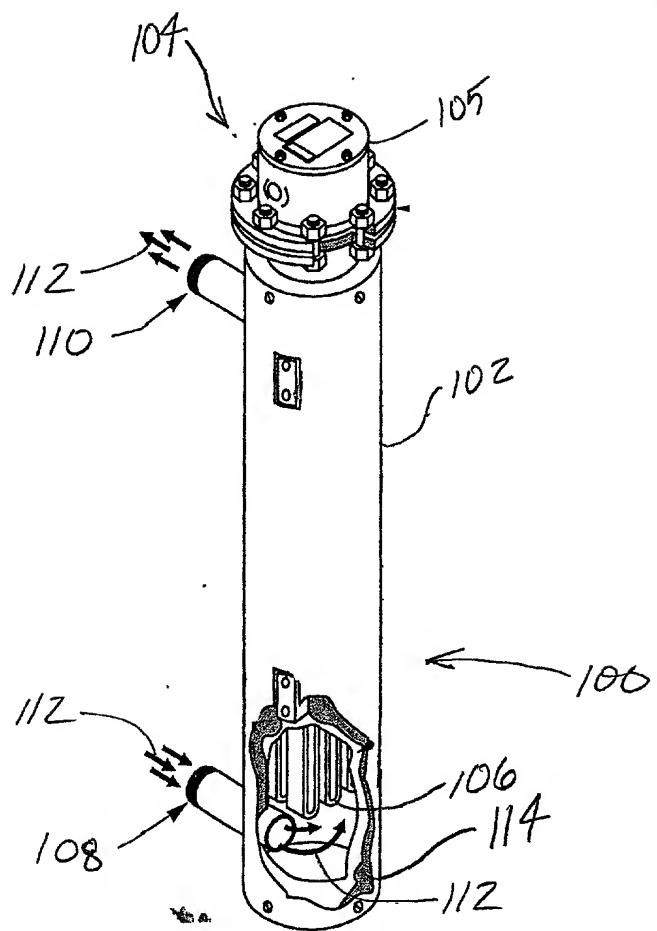


FIG. 9A

FIG. 9

PRIOR ART

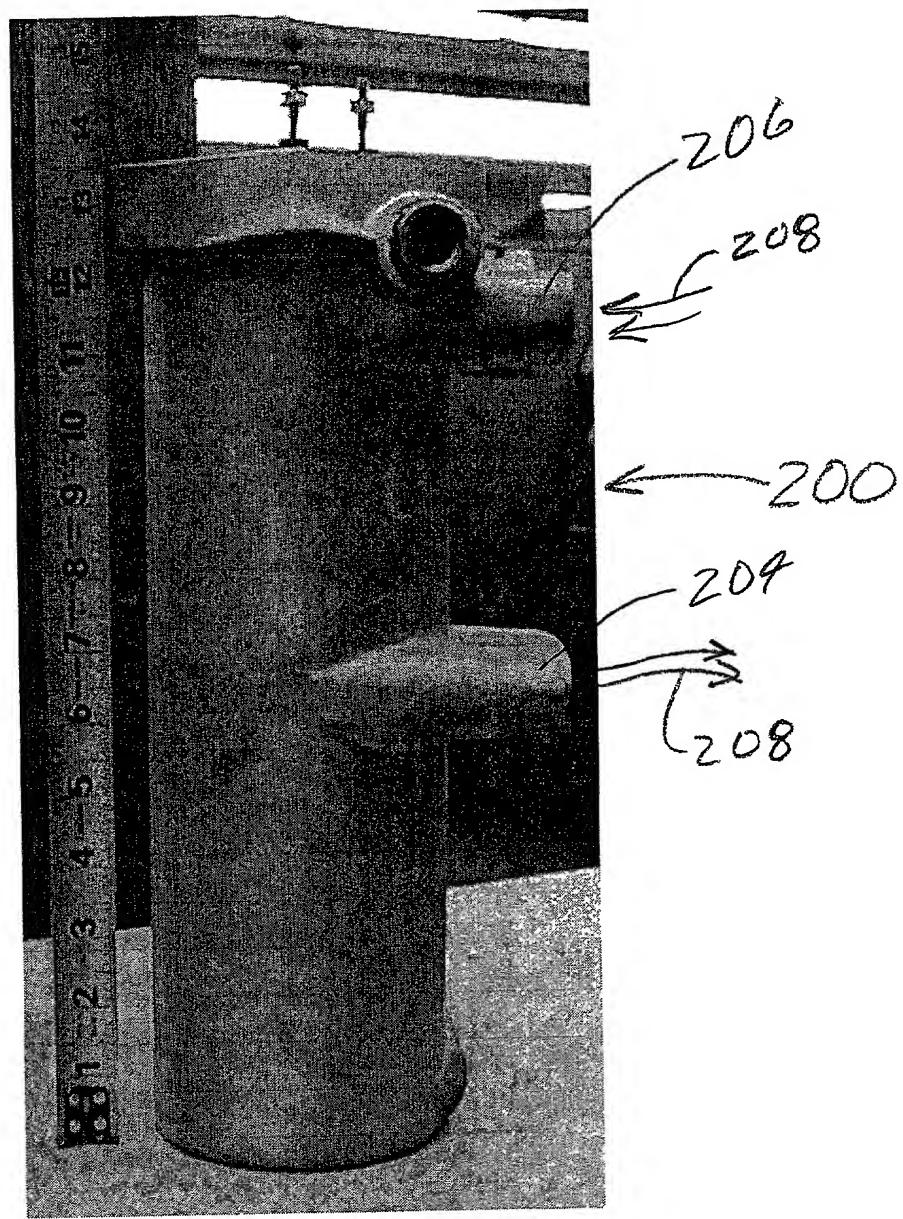


FIG. 10

PRIOR ART

Response Time from ambient to 90° F at 60 WSI

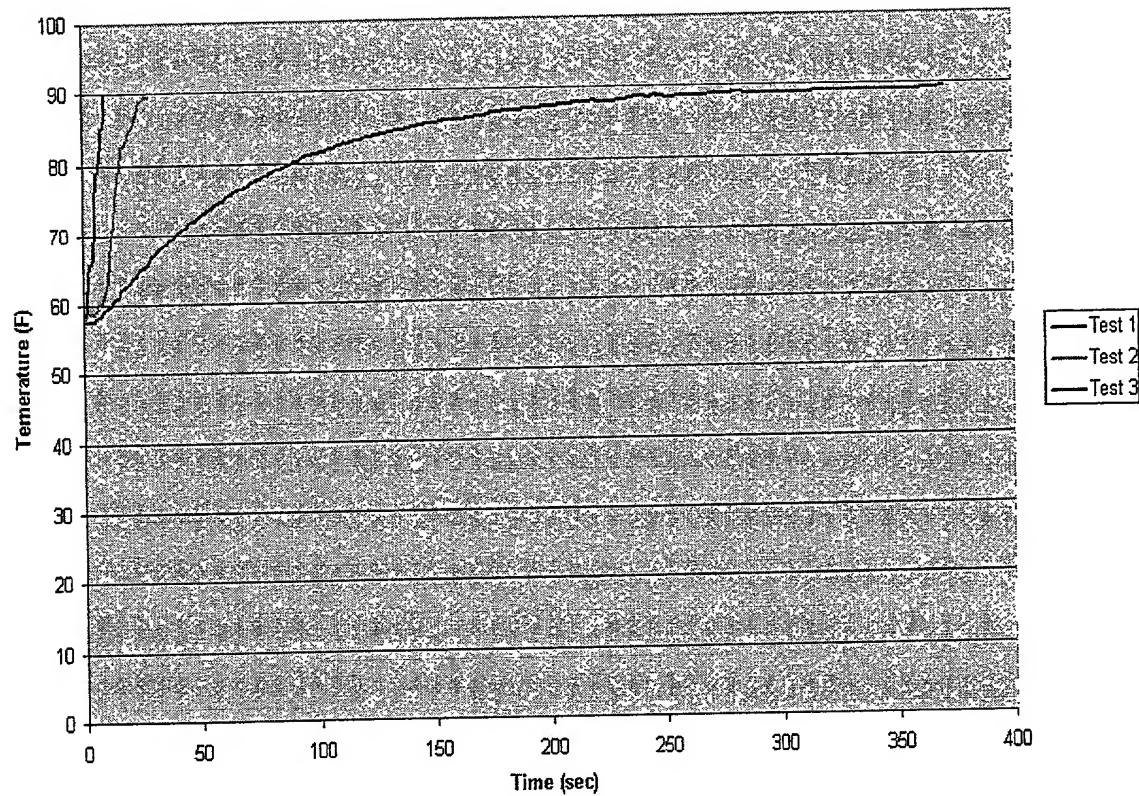


FIG. 11

Response Time from ambient to 90° F at 60 WSI

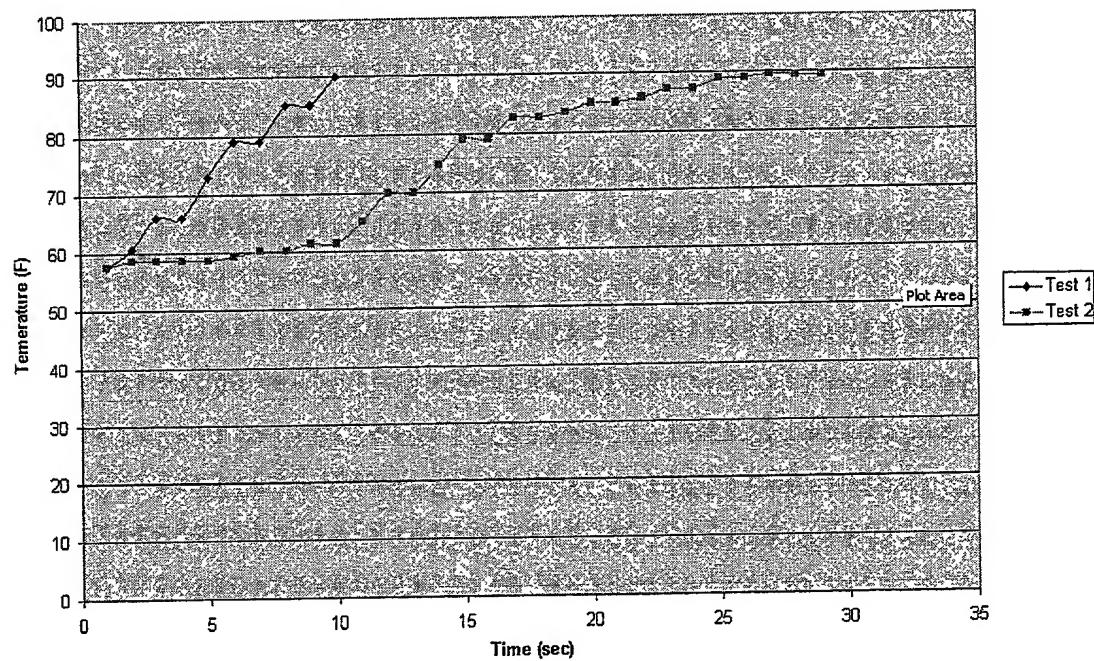


FIG. 12

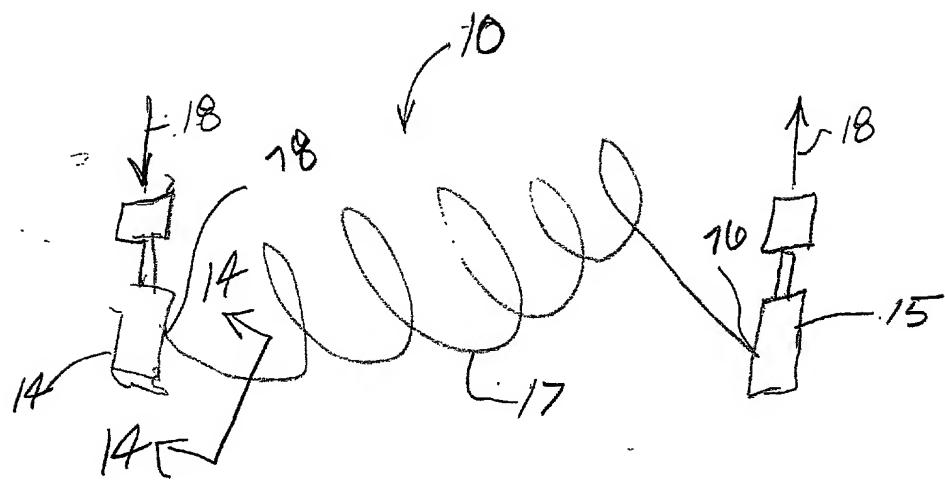


FIG. 13

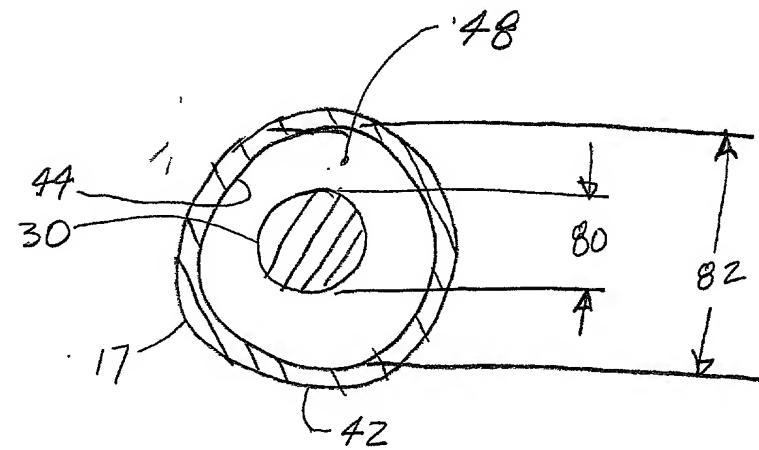


FIG. 14

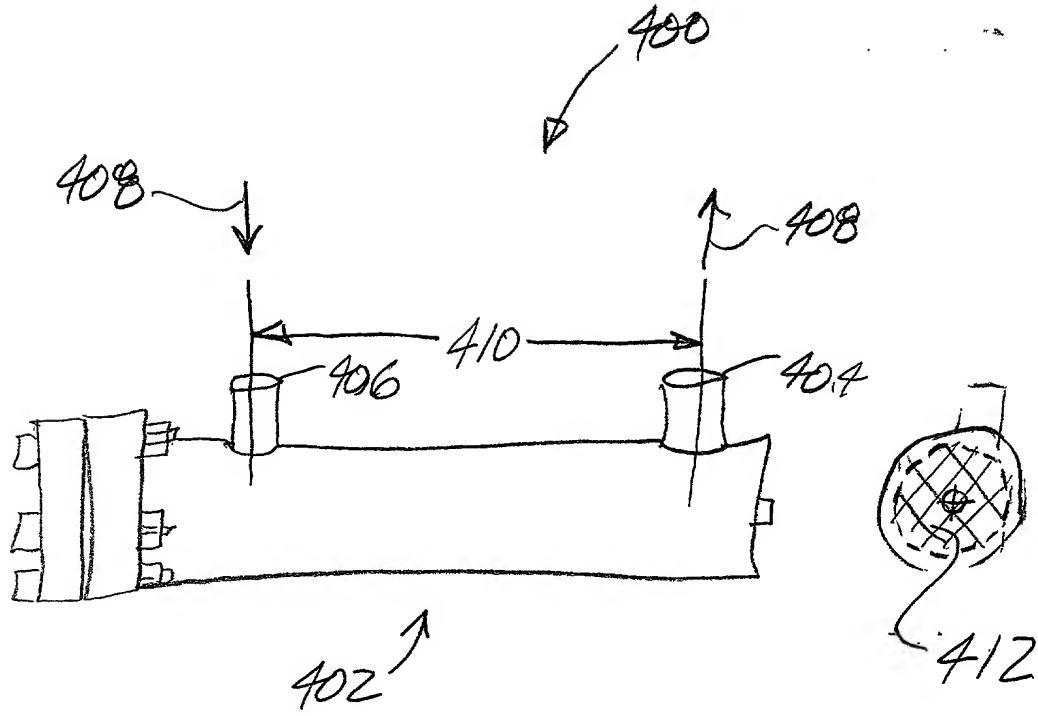


FIG. 15

FIG. 16

PRIOR ART

Thermal Properties of Air @ Various Temperatures & 500 psig

Temperature, F	68	216	500	1000
Specific Heat Capacity, C_p	.241	.243	.250	.264
Thermal Conductivity, K	.0134	.0143	.0157	.0180
Viscosity, Absolute, μ	.0442	.0540	.0715	.0977
Density, ρ	2.62	2.06	1.43	0.94

C_p = BTU/lb-°F

K = BTU/Ft - hr - °F

μ = lb/Ft - hr

ρ = lb/Ft³

FIG. 17